

Portd.6 = 1 'Enable the transmitter Waitms 10 'Wait for the transmitter to settle. Print #1, "Please enter the reference Voltage and press enter?" Print #1.

Dim Vdiff1 As Single Dim Vref As Single

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Portd.6 = 0
                                       ' Disable the transmitter
 Input #1, Vref
Do
 $asm
   !Call $7C04
  $end Asm
  Adc0 = Dat
 $asm
   !Call $7BFD
  $end Asm
  Adc1 = Dat
  $asm
  !Call $7C0B
  $end Asm
  Diff0 = Dat
  $asm
  !Call $7C12
  $end Asm
  Diff1 = Dat
  Vadc0 = Vref / 4096
Vadc1 = Vadc0 * Adc1
  Vdiff0 = Vadc0 * Diff0
  Vdiff1 = Vadc0 * Diff1
 Vadc0 = Vadc0 * Adc0
Portd.6 = 1
                                       'Enable the transmitter
  Waitms 10
                                        'Wait for the transmitter to settle.
 Print #1, "ADC0 = "; Fusing(vadc0, "#.&&"); "ADC1 = "; Fusing(vadc1, "#.&&"); "Diff0 = "; Fusing(vdiff0, "#.&&"); "Diff1 = ";
Fusing(vdiff1, "#.&&")
 Print #1,
 Portd.6 = 0
                                       ' Disable the transmitter
Loop
Close #1
End
```